



CONFIDENTIAL

L1618100015
John Deere Harvester
ILD 025423054
SF/HRS

CERCLA

PRESCORE

SCORESHEET

CONFIDENTIAL

Record Information

1. Site Name: John Deere Harvester
(as entered in CERCLIS)
2. Site CERCLIS Number: 025423054
3. Site Reviewer: Robert Casper
4. Date: 9/7/95
5. Site Location: East Moline, Rock Island Co., Il.
(City/County, State)
6. Congressional District: 17
7. Site Coordinates: Single
Latitude: 41 31'46.0" Longitude: 090 27'05.0"

Site Description

1. Setting: Urban
2. Current Owner: Private - Individual
3. Current Site Status: Active
4. Years of Operation: Active Site , from and to dates: 1900-present
5. How Initially Identified: State/Local Program
6. Entity Responsible for Waste Generation:
 - Manufacturing
 - Metal Forging and Stamping
 - Other Manufacturing
7. Site Activities/Waste Deposition:
 - Industrial Landfill

Waste Description

8. Wastes Deposited or Detected Onsite:

- Organic Chemicals
- Inorganic Chemicals

Response Actions

9. Response/Removal Actions:

RCRA Information

10. For All Active Facilities, RCRA Site Status:

- Not Applicable

Demographic Information

11. Workers Present Onsite: Yes

12. Distance to Nearest Non-Worker Individual: > 1/4 - 1/2 Mile

13. Residential Population Within 1 Mile: 7386.0

14. Residential Population Within 4 Miles: 24572.0

Water Use Information

15. Local Drinking Water Supply Source:

- Ground Water (within 4 mile distance limit)
- Surface Water (within 15 mile distance limit)

16. Total Population Served by Local Drinking Water Supply Source: 129000.0

17. Drinking Water Supply System Type for Local Drinking
Water Supply Sources:

- Municipal (Services over 25 People)

18. Surface Water Adjacent to/Draining Site:

- River

HRS DOCUMENTATION RECORD

John Deere Harvester - 09/21/95

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	Score
Ground Water Migration Pathway Score (Sgw)	21.52
Surface Water Migration Pathway Score (Ssw)	0.34
Soil Exposure Pathway Score (Ss)	1.84
Air Migration Pathway Score (Sa)	2.85
Site Score	10.89

NOTE

EPA uses the terms "facility," "site," and "release" interchangeably. The term "facility" is broadly defined in CERCLA to include any area where hazardous substances have "come to be located" (CERCLA Section 109(9)), and the listing process is not intended to define or reflect boundaries of such facilities or releases. Site names, and references to specific parcels or properties, are provided for general identification purposes only. Knowledge regarding the extent of sites will be refined as more information is developed during the RI/FS and even during implementation of the remedy.

WASTE QUANTITY

John Deere Harvester - 09/21/95

1. WASTESTREAM QUANTITY SUMMARY TABLE, SOURCE: Contaminated soil

a. Wastestream ID	
b. Hazardous Constituent Quantity (C) (lbs.)	0.00
c. Data Complete?	NO
d. Hazardous Wastestream Quantity (W) (lbs.)	0.00
e. Data Complete?	NO
f. Wastestream Quantity Value (W/5,000)	0.00E+00

WASTE QUANTITY

John Deere Harvester - 09/21/95

2. SOURCE HAZARDOUS WASTE QUANTITY FACTOR TABLE

a. Source ID	Contaminated soil
b. Source Type	Contaminated Soil
c. Secondary Source Type	N.A.
d. Source Vol.(yd3/gal) Source Area (ft2)	0.00 500000.00
e. Source Volume/Area Value	1.47E+01
f. Source Hazardous Constituent Quantity (HCQ) Value (sum of 1b)	0.00E+00
g. Data Complete?	NO
h. Source Hazardous Wastestream Quantity (WSQ) Value (sum of 1f)	0.00E+00
i. Data Complete?	NO
k. Source Hazardous Waste Quantity (HWQ) Value (2e, 2f, or 2h)	1.47E+01

Source Hazardous Substances	Depth (feet)	Liquid	Concent.	Units
Arsenic	> 2	NO	3.9E+01	ppm
Benz(a)anthracene	< 2	NO	8.9E-01	ppm
Benzo(a)pyrene	< 2	NO	8.2E-01	ppm
Benzo(j,k)fluorene	< 2	NO	1.8E+00	ppm
Benzo(k)fluoranthene	< 2	NO	1.5E+00	ppm
Benzofluoranthene, 3,4-	< 2	NO	1.3E+00	ppm
Chrysene	< 2	NO	1.0E+00	ppm
Copper	< 2	NO	1.2E+02	ppm
DDT	> 2	NO	7.0E-03	ppm
Dieldrin	> 2	NO	4.0E-03	ppm
Lead	< 2	NO	3.9E+02	ppm
Manganese	< 2	NO	3.2E+03	ppm
Mercury	< 2	NO	2.0E-01	ppm
Phenanthrene	< 2	NO	1.7E+00	ppm
Pyrene	< 2	NO	1.6E+00	ppm

WASTE QUANTITY

John Deere Harvester - 09/21/95

Documentation for Source Type:

WASTE QUANTITY

John Deere Harvester - 09/21/95

PREscore 3.0 - PRESCORE.TCL File 07/25/94
WASTE QUANTITY
John Deere Harvester - 09/21/95

PAGE: 6

PREscore 3.0 - PRESCORE.TCL File 07/25/94
GROUND WATER MIGRATION PATHWAY SCORESHEET
John Deere Harvester - 09/21/95

PAGE: 1

GROUND WATER MIGRATION PATHWAY Factor Categories & Factors	Maximum Value	Value Assigned
Likelihood of Release to an Aquifer Aquifer: Deep bedrock		
1. Observed Release	550	0
2. Potential to Release		
2a. Containment	10	7
2b. Net Precipitation	10	3
2c. Depth to Aquifer	5	5
2d. Travel Time	35	35
2e. Potential to Release [lines 2a(2b+2c+2d)]	500	301
3. Likelihood of Release	550	301
Waste Characteristics		
4. Toxicity/Mobility	*	1.00E+02
5. Hazardous Waste Quantity	*	10
6. Waste Characteristics	100	6
Targets		
7. Nearest Well	50	5.00E+00
8. Population		
8a. Level I Concentrations	**	0.00E+00
8b. Level II Concentrations	**	0.00E+00
8c. Potential Contamination	**	9.50E+02
8d. Population (lines 8a+8b+8c)	**	9.50E+02
9. Resources	5	5.00E+00
10. Wellhead Protection Area	20	5.00E+00
11. Targets (lines 7+8d+9+10)	**	9.65E+02
12. Targets (including overlaying aquifers)	**	9.83E+02
13. Aquifer Score	100	21.52
GROUND WATER MIGRATION PATHWAY SCORE (Sgw)	100	21.52

* Maximum value applies to waste characteristics category.
** Maximum value not applicable.

SURFACE WATER OVERLAND/FLOOD MIGRATION COMPONENT Factor Categories & Factors DRINKING WATER THREAT	Maximum Value	Value Assigned
Likelihood of Release		
1. Observed Release	550	0
2. Potential to Release by Overland Flow		
2a. Containment	10	10
2b. Runoff	25	1
2c. Distance to Surface Water	25	20
2d. Potential to Release by Overland Flow [lines 2a(2b+2c)]	500	210
3. Potential to Release by Flood		
3a. Containment (Flood)	10	10
3b. Flood Frequency	50	7
3c. Potential to Release by Flood (lines 3a x 3b)	500	70
4. Potential to Release (lines 2d+3c)	500	280
5. Likelihood of Release	550	280
Waste Characteristics		
6. Toxicity/Persistence	*	1.00E+04
7. Hazardous Waste Quantity	*	10
8. Waste Characteristics	100	18
Targets		
9. Nearest Intake	50	0.00E+00
10. Population		
10a. Level I Concentrations	**	0.00E+00
10b. Level II Concentrations	**	0.00E+00
10c. Potential Contamination	**	5.00E-01
10d. Population (lines 10a+10b+10c)	**	5.00E-01
11. Resources	5	5.00E+00
12. Targets (lines 9+10d+11)	**	5.50E+00
13. DRINKING WATER THREAT SCORE	100	0.34

* Maximum value applies to waste characteristics category.
 ** Maximum value not applicable.

SURFACE WATER OVERLAND/FLOOD MIGRATION COMPONENT Factor Categories & Factors HUMAN FOOD CHAIN THREAT	Maximum Value	Value Assigned
Likelihood of Release		
14. Likelihood of Release (same as line 5)	550	280
Waste Characteristics		
15. Toxicity/Persistence/Bioaccumulation	*	5.00E+08
16. Hazardous Waste Quantity	*	10
17. Waste Characteristics	1000	180
Targets		
18. Food Chain Individual	50	0.00E+00
19. Population		
19a. Level I Concentrations	**	0.00E+00
19b. Level II Concentrations	**	0.00E+00
19c. Pot. Human Food Chain Contamination	**	3.00E-05
19d. Population (lines 19a+19b+19c)	**	3.00E-05
20. Targets (lines 18+19d)	**	3.00E-05
21. HUMAN FOOD CHAIN THREAT SCORE	100	0.00

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 ** Maximum value not applicable.

PREscore 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 4
 SURFACE WATER OVERLAND/FLOOD MIGRATION COMPONENT SCORESHEET
 John Deere Harvester - 09/21/95

SURFACE WATER OVERLAND/FLOOD MIGRATION COMPONENT Factor Categories & Factors ENVIRONMENTAL THREAT	Maximum Value	Value Assigned
Likelihood of Release		
22. Likelihood of Release (same as line 5)	550	280
Waste Characteristics		
23. Ecosystem Toxicity/Persistence/Bioacc.	*	5.00E+08
24. Hazardous Waste Quantity	*	10
25. Waste Characteristics	1000	180
Targets		
26. Sensitive Environments		
26a. Level I Concentrations	**	0.00E+00
26b. Level II Concentrations	**	0.00E+00
26c. Potential Contamination	**	2.00E-03
26d. Sensitive Environments (lines 26a+26b+26c)	**	2.00E-03
27. Targets (line 26d)	**	2.00E-03
28. ENVIRONMENTAL THREAT SCORE	60	0.00
29. WATERSHED SCORE	100	0.34
30. SW: OVERLAND/FLOOD COMPONENT SCORE (Sof)	100	0.34

* Maximum value applies to waste characteristics category.
 ** Maximum value not applicable.

GROUND WATER TO SURFACE WATER MIGRATION COMPONENT Factor Categories & Factors DRINKING WATER THREAT	Maximum Value	Value Assigned
Likelihood of Release to Aquifer Aquifer: Till		
1. Observed Release	550	0
2. Potential to Release		
2a. Containment	10	7
2b. Net Precipitation	10	3
2c. Depth to Aquifer	5	5
2d. Travel Time	35	35
2e. Potential to Release [lines 2a(2b+2c+2d)]	500	301
3. Likelihood of Release	550	301
Waste Characteristics		
4. Toxicity/Mobility/Persistence	*	1.00E+02
5. Hazardous Waste Quantity	*	10
6. Waste Characteristics	100	6
Targets		
7. Nearest Intake	50	0.00E+00
8. Population		
8a. Level I Concentrations	**	0.00E+00
8b. Level II Concentrations	**	0.00E+00
8c. Potential Contamination	**	0.00E+00
8d. Population (lines 8a+8b+8c)	**	0.00E+00
9. Resources	5	5.00E+00
10. Targets (lines 7+8d+9)	**	5.00E+00
11. DRINKING WATER THREAT SCORE	100	0.11

* Maximum value applies to waste characteristics category.
** Maximum value not applicable.

GROUND WATER TO SURFACE WATER MIGRATION COMPONENT Factor Categories & Factors HUMAN FOOD CHAIN THREAT	Maximum Value	Value Assigned
Likelihood of Release		
12. Likelihood of Release (same as line 3)	550	301
Waste Characteristics		
13. Toxicity/Mobility/Persistence/Bioacc.	*	1.00E+04
14. Hazardous Waste Quantity	*	10
15. Waste Characteristics	1000	18
Targets		
16. Food Chain Individual	50	0.00E+00
17. Population		
17a. Level I Concentrations	**	0.00E+00
17b. Level II Concentrations	**	0.00E+00
17c. Pot. Human Food Chain Contamination	**	0.00E+00
17d. Population (lines 17a+17b+17c)	**	0.00E+00
18. Targets (lines 16+17d)	**	0.00E+00
19. HUMAN FOOD CHAIN THREAT SCORE	100	0.00

* Maximum value applies to waste characteristics category.
** Maximum value not applicable.

PREscore 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 7
GROUND WATER TO SURFACE WATER MIGRATION COMPONENT SCORESHEET
John Deere Harvester - 09/21/95

GROUND WATER TO SURFACE WATER MIGRATION COMPONENT Factor Categories & Factors ENVIRONMENTAL THREAT	Maximum Value	Value Assigned
Likelihood of Release		
20. Likelihood of Release (same as line 3)	550	301
Waste Characteristics		
21. Ecosystem Tox./Mobility/Persist./Bioacc.	*	5.00E+04
22. Hazardous Waste Quantity	*	10
23. Waste Characteristics	1000	18
Targets		
24. Sensitive Environments		
24a. Level I Concentrations	**	0.00E+00
24b. Level II Concentrations	**	0.00E+00
24c. Potential Contamination	**	0.00E+00
24d. Sensitive Environments (lines 24a+24b+24c)	**	0.00E+00
25. Targets (line 24d)	**	0.00E+00
26. ENVIRONMENTAL THREAT SCORE	60	0.00
27. WATERSHED SCORE	100	0.11
28. SW: GW to SW COMPONENT SCORE (Sgs)	100	0.11

* Maximum value applies to waste characteristics category.
** Maximum value not applicable.

PREscore 3.0 - PRESCORE.TCL File 07/25/94
 SOIL EXPOSURE PATHWAY SCORESHEET
 John Deere Harvester - 09/21/95

PAGE: 8

SOIL EXPOSURE PATHWAY Factor Categories & Factors RESIDENT POPULATION THREAT	Maximum Value	Value Assigned
Likelihood of Exposure		
1. Likelihood of Exposure	550	550
Waste Characteristics		
2. Toxicity	*	1.00E+04
3. Hazardous Waste Quantity	*	10
4. Waste Characteristics	100	18
Targets		
5. Resident Individual	50	0.00E+00
6. Resident Population		
6a. Level I Concentrations	**	0.00E+00
6b. Level II Concentrations	**	0.00E+00
6c. Resident Population (lines 6a+6b)	**	0.00E+00
7. Workers	15	1.50E+01
8. Resources	5	0.00E+00
9. Terrestrial Sensitive Environments	***	0.00E+00
10. Targets (lines 5+6c+7+8+9)	**	1.50E+01
11. RESIDENT POPULATION THREAT SCORE	**	1.48E+05

* Maximum value applies to waste characteristics category.

** Maximum value not applicable.

*** No specific maximum value applies, see HRS for details.

PREscore 3.0 - PRESCORE.TCL File 07/25/94
 SOIL EXPOSURE PATHWAY SCORESHEET
 John Deere Harvester - 09/21/95

PAGE: 9

SOIL EXPOSURE PATHWAY Factor Categories & Factors NEARBY POPULATION THREAT	Maximum Value	Value Assigned
Likelihood of Exposure		
12. Attractiveness/Accessibility	100	5.00E+00
13. Area of Contamination	100	8.00E+01
14. Likelihood of Exposure	500	2.50E+01
Waste Characteristics		
15. Toxicity	*	1.00E+04
16. Hazardous Waste Quantity	*	10
17. Waste Characteristics	100	18
Targets		
18. Nearby Individual	1	1.00E+00
19. Population Within 1 Mile	**	7.00E+00
20. Targets (lines 18+19)	**	8.00E+00
21. NEARBY POPULATION THREAT SCORE	**	3.60E+03
SOIL EXPOSURE PATHWAY SCORE (Ss)	100	1.84

* Maximum value applies to waste characteristics category.
 ** Maximum value not applicable.

AIR PATHWAY SCORESHEET

John Deere Harvester - 09/21/95

AIR MIGRATION PATHWAY Factor Categories & Factors	Maximum Value	Value Assigned
Likelihood of Release		
1. Observed Release	550	0
2. Potential to Release		
2a. Gas Potential to Release	500	210
2b. Particulate Potential to Release	500	196
2c. Potential to Release	500	210
3. Likelihood of Release	550	210
Waste Characteristics		
4. Toxicity/Mobility	*	2.00E+03
5. Hazardous Waste Quantity	*	10
6. Waste Characteristics	100	10
Targets		
7. Nearest Individual	50	2.00E+01
8. Population		
8a. Level I Concentrations	**	0.00E+00
8b. Level II Concentrations	**	0.00E+00
8c. Potential Contamination	**	8.40E+01
8d. Population (lines 8a+8b+8c)	**	8.40E+01
9. Resources	5	5.00E+00
10. Sensitive Environments		
10a. Actual Contamination	***	0.00E+00
10b. Potential Contamination	***	3.00E+00
10c. Sens. Environments (lines 10a+10b)	***	3.00E+00
11. Targets (lines 7+8d+9+10c)	**	1.12E+02
AIR MIGRATION PATHWAY SCORE (Sa)	100	2.85E+00

* Maximum value applies to waste characteristics category.

** Maximum value not applicable.

*** No specific maximum value applies, see HRS for details.